

## Robotic welding

A highly effective piece of equipment used for consistent high quality production of components.



CNC Processes - sheet and plate

Turrent punch press forming

Press brake folding

Gullotining

## Laser profile cutting

It's amazing what can be cut on the Amada AF2000E. From the very tiny piece up to the large, laser cutting provides detail options perfect for architectural features and sign work.

It also has countless applications to profile cut plates used in engineering.

The Amada also has the ability cut some materials which have been difficult to cut in the past by traditional means.



## Sheet metal Craftsmen

Specialising in Stainless Steel fabrications – light gauges from 0.7mm through to 10mm plate.



# STEELFORT

FABRICATION



## STEELFORT

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# INDUSTRIAL STAINLESS STEEL FABRICATION

## Air handling units - Fabricated Stainless Steel

Each air handling unit:

- Is designed to achieve a specified duty and to condition the air to meet individual specifications.
- Can incorporate filters, heaters, chillers and demisters.
- Is produced complete with stainless steel housing and transitions fabricated to meet industry standards.
- Is designed to suit site limitations
- Can be supplied complete with fan and stand.
- Is suitable for corrosive atmosphere



## Process vessels

Steelfort designs and manufactures stainless steel tanks, process vessels and pressure vessels for the food, beverage and pharmaceutical industries including chemical storage.

Plant capability per vessel is 3.5 metres in diameter and 8 metres in height.

Process vessels can have dimple plate cavity jackets for heat exchange using either steam, hot or chilled water or refrigerant.

All vessels are designed and manufactured to meet customers specifications and if required, comply with pressure vessel Codes.

### CASTLE Finned Tube Heat Exchangers

Specialising in the design and manufacture of Castle finned tube heat exchangers, Steelfort uses unique computer software developed in collaboration with Massey University's School of Engineering and Advanced Technology.

- Are available in copper, aluminium, and stainless steel
- Are suitable for use with mediums such as high pressure steam, hot and cold water, oil and refrigerant
- Are pressure tested to ensure quality and long term reliability

Suitable for:

- HVAC industry (evaporators and condensers)
- Dairy industry (steam or hot water or chilled water heat exchangers)
- Power generation equipment (oil coolers)

Stainless Steel Shell and Tube heat exchangers can also be designed and manufactured to customers' specifications.



# GENERAL STAINLESS STEEL FABRICATION

## Design Work



Whether it's the modification of an existing design or a whole new concept, Steelfort designers, using state of the art 3D CAD software, can provide solutions for customers to a wide range of engineering challenges:

- Maintenance jigs and fixtures for RNZAF aircraft
- Road transport equipment
- Selected grape handling equipment
- Stainless Steel conveyors
- Mixers and blenders
- Pressure vessels
- Storage vessels



## Marine

As a sub contractor for the ANZAC ship project, Steelfort manufactured and upgraded existing galley and laundry equipment to meet ANZAC ship specifications including environmental standards, shock, vibration and EM/EMC. This contract applies for the ANZAC frigates throughout their service life.



## Extraction Hoods

Black Knight standard and custom-made extraction hoods, ideal for use in the commercial and industrial food service and processing industries are designed and manufactured using computer modelling to ensure correct airflow and hygiene operation.

- Black Knight hoods are manufactured to AS/NZ Standard with features that can be customised suitably for fast food outlets, cafes and restaurants.
- Stainless Steel custom hoods are designed and manufactured for special requirements.

## Stainless Steel Fixtures and Fittings

Steelfort has the design expertise and manufacturing skill and experience to produce any stainless steel fixture and fitting required for commercial, industrial and domestic use. If you can sketch it, we can build it.

- Benches, sinks, tubs, shower floors, ablution equipment, hand rails & more.



Steelfort's Fabrication Division will develop, design and manufacture high quality specialised products for its customers' unique requirements using skilled, dedicated employees and state of the art technology.

